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NEWS

AGRICULTURAL ENGINEERING DEPARTMENT

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ED HANSEN TO RETIRE

On November 6, the following memorandum was distributed to the Department Staff:

As many of you know, Professor E.L. Hansen has indicated his intention to retire effective August 21, 1975. I convey this information to you so that all members of the Department will be informed. Even if I were capable, this would scarcely be the place to enumerate and evaluate the many significant contributions Professor Hansen has made to the Department and to its program. I shall simply say that he has been a strong right arm to me and to many of you during his tenure of nearly twenty years. Obviously, we shall never be able to replace him on the staff; there is only one Ed Hansen. However, we can be grateful for his long and effective service to the Department and to the Agricultural Engineering profession.

ASAE, CENTRAL ILL. SECTION MEETING



Shown registering for the Central Illinois Section Meeting, American Society of Agricultural Engineers, are (L-R) Dr. Loren E. Bode (SEATED), secretary and Assistant Professor; Professor E.L. Hansen; Mr. Dean Searles, Manager of the Adams Electrical Cooperative at Camp Point; Dr. Lanham; and W.T. "Bill" Annis '70, sales engineer, Electric Wheel Division, Firestone Tire and Rubber Co., Quincy, Illinois. The meeting was held on campus, October 5.

STAFF NEWS

Dr. Roland F. Espenschied recently was in Atlanta, Georgia attending the meeting of the Board of Directors of the American Association of Vocational Instructional Materials. This organization has headquarters in the Agricultural Engineering Center, University of Georgia at Athens and has as a primary role the preparation of instructional materials for teachers and students in agricultural mechanics.

Dr. D.L. Day represented the UIUC College of Agriculture at the annual meeting of NC-93 "Annual Waste Management with Pollution Control," held October 23-25 at Michigan State University. Agricultural Experiment Station reports were exchanged among the representatives of twelve North-Central States, plus Colorado, Oklahoma, Hawaii, and the U.S. Environmental Protection Agency.

Professor C.J.W. Drablos has announced a series of conservation conferences, to be held in January and February for land-improvement contractors. The conferences are sponsored by the Illinois Cooperative Extension Service and the Department of Agricultural Engineering in cooperation with the U.S. Soil Conservation Service and the Illinois Land Improvement Contractors Association (ILICA). Two types of conferences are being offered this year: (1) a general conference, one day in length, designed to cover selected conservation topics in each of the seven ILICA areas, and (2) four specialty conferences, two days in length with emphasis solely on subsurface drainage.

Professor and Mrs. Hoyle B. Puckett recently returned from several weeks in Europe. Hoyle served as Livestock Mechanization Specialist for the U.S. Information Agency Exhibit at the Plovdiv International Trade Fair in Bulgaria. Traveling on to England, he visited several research installations in England relating to his on-going research program at the University. He reports that the British are making great strides in automating many facets of livestock production. In the Netherlands, Hoyle and Faye attended the Eighth International Congress of Agricultural Engineering. The meeting was held at the Flevohof in the Oost polder, developed since World War II. The polder is five meters below sea level.

Dr. John C. Siemens and Dr. Harvey J. Hirning are the authors of Illinois Circular 1094, *Harvesting and Drying Soybeans*. A single copy is free on request to the Department.

ALUMNI NEWS

Dr. Anwar Alam '72 is an Associate Professor in the College of Agricultural Engineering at Jawaharlal Nehru Krishi Vishwa Vidyalaya in Jabalpur, India. He reports that in the current semester, he is teaching one course, guiding two student projects on solar-energy utilization, and providing leadership for two research projects.

Earl H. Williams '72 and '73, visited the Department recently. Earl continues in his assignment with Cargill, Inc., Minneapolis.

Lyle G. Reeser '46 tells of some of his experiences in South America in an article entitled "Altamira Land Development Project Brazil," published in *Agricultural Engineering* for October. The second author is Toru Sato, agronomist, Caterpillar Brasil, S.A., Sao Paulo, Brazil. Lyle is a product market consultant, Caterpillar Americas Company, stationed in Peoria.

Dr. Gary D. Bubenzer '70 and Dr. Gene C. Shove are the authors of an article "The Biotron" in *Agricultural Engineering* for October. They describe this unique research facility, located on the campus of the University of Wisconsin at Madison.

Dr. J.K. Mitchell '70, Dr. G.D. Bubenzer '70, and Dr. J.H. Behrens were authors of an article "Audiovisual Tutorial Aids for Teaching Skills," appearing in *Engineering Education*, November, 1974. Aids developed by these authors are in use in many universities over the United States and Canada.

D.S. Cronkhite '38 was a fall seminar participant in the Department. He spoke on early drainage developments in central Illinois. Dale farms and does some teaching at Danville Junior College. He resides at 22 Highland Shore, Danville 61832.

George A. Puzey, '64 and '65, is planning project administrator for Agway, Inc., Box 1333, Syracuse, New York 13201.

Rod Vlieger '73 (see Newsletter No. 3) has changed employment. Since February, he has served as agricultural engineer with the Iowa Department of Environmental Quality, Water Quality Division, Section on Agricultural Wastes. Rod reports that his work consists of designing feedlot runoff controls, lagoons, storage tanks, and other waste-treatment facilities. He also becomes involved in the development of permits and their enforcement. Rod's address is 2701 Hubbel, Des Moines, Iowa 50317.

David J. Olson, '63 and '65, is now working at the Farm Equipment Research and Engineering Center, International Harvester Company, Hinsdale, Illinois 60521.

Stephen C. Wood '60 was a recent visitor in the Department. He has a growing family of four children. Stephen is an engineer with Black Brothers Company, 501 Ninth Avenue, Mendota, Illinois 61342.

Word has been received of the death of Elmer R. Eckert '62. He was a native of Troy, Illinois. Additional details are not available at this time.

FROM THE NEWSLETTER FILE

A recent news release tells about the availability of a publication mentioned in Newsletter No. 3, entitled History of Drainage Channel Improvement in the Vermilion River Watershed Wabash Basin, Research Report No. 90, Water Resources Center. Professor *Emeritus* Ralph C. Hay is the senior author. The release begins as follows:

Less than a century ago, a man turned down an offer to swap a horse and saddle for a square mile of central Illinois farmland. Today the land is worth a million dollars.

The flat bog then was covered with swamp grasses.

Today the 640 acres are covered with corn and soybeans.

This example of the value of drainage is told in a history of drainage channel improvement in the Vermilion River Watershed

Dr. Gert Venter, Agricultural engineer from South Africa, visited the Department recently. He is a machinery dealer in Bathaville, Orange Free State. When imports run low, he manufactures the items in short supply--including moldboard plows, sub-soilers, and chisel plows. He also is a consulting engineer, primarily to large farm operators in connection with farm machinery and field power-unit selection systems.

Six men from the Republic of South Africa representing the Maize Board, Department of Technical Services and two South Africa grain cooperatives were visitors in the Department on October 28 and 29. The group was particularly interested in the application of low-temperature drying to shelled corn stored in large bins. They discussed grain drying with several faculty members, and visited local grain-receiving facilities as well as on-farm, grain-drying systems.

From the 81st annual convention of the Farm and Industrial Equipment Institute, held recently near Orlando, Florida, comes the prediction that "farmers will continue to find new farm equipment in short supply in 1975. As world food demand has grown and farm prices have increased, demand for new farm equipment during the past two years has substantially exceeded the industry's capacity to produce it and inventories of new farm equipment have been depleted."

Want to know what farming will be like in 2076 A.D.? The South Dakota State Student Branch, American Society of Agricultural Engineers, has taken a shot at describing it. This description is the editorial in the October, 1974 *American Farmer*, the official magazine of the American Farm Bureau Federation.

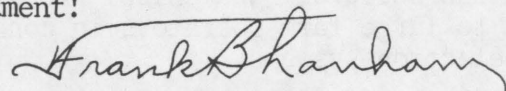
Visitors to the Department on October 3 were *Edward Crum* and *Robert Hesler*, counselors at Urbana High School. These men visited several classes and laboratories and were escorted on a tour of the agricultural engineering field research laboratory on South Race Street. The visit was a part of a professional improvement program to broaden the understanding of these teachers about vocational opportunities that exist in agricultural mechanization and agricultural engineering. The Department welcomes visitors at all times.

Dr. Donnell R. Hunt was the guest speaker at the Annual Meeting of the Illinois Association of Junior College Teachers of Agriculture, held at Wabash Valley College in Mt. Carmel, on October 10 and 11. Professor Hunt discussed the agricultural mechanization options available to students transferring from community colleges to the University of Illinois. He stressed the strong demand that exists for agricultural mechanization students and for those trained in agricultural engineering.

Engineering students at the University of Illinois at Champaign-Urbana get introduced to engineering design as freshmen. The weekly two-hour design session replaces a portion of the traditional engineering graphics course. The design session stresses problem formulation, the generation and evaluation of alternatives, and the presentation of solutions. The class size is about twenty. This course change is part of a larger effort to provide the student with a more design-oriented curriculum. Instruction for each section is provided by a professor from one of the engineering departments. However, students are not segregated as to their departmental preference. The Agricultural Engineering Department is represented by *Dr. Paul N. Walker*.

The Department substantially over-subscribed our 1975 United Fund goal. Fund-raising in the Department was coordinated by *Mr. Elbert C. Dickey*.

Holiday greetings to everyone from the Department!



Frank B. Lanham